

ABSTRACT OF THE DISCLOSURE

A system and method for balancing input/output load for a plurality of storage devices, such as a plurality of disks. According to one embodiment of the method, 5 accesses (e.g., read and/or write accesses) to chunks located on the storage devices may be monitored, where each chunk comprises one or more file system clusters. Data indicating a number of accesses to each chunk may be stored, and a list of most frequently used chunks may be determined based on the data. The most frequently used chunks may then be balanced across the plurality of storage devices.